Distributed by:

JAMECO® ELECTRONICS

www.Jameco.com ✦ 1-800-831-4242

The content and copyrights of the attached material are the property of its owner.

Bright view
ELECTRONICS CO.,LTD

LIGHT EMITTING DIODE

BVT-529QT3#

DESCRIPTION

Dice Material : AlInGaP/GaP(Transparent substrate) Super Brightness Orange Red
Light Color : Orange Red Color
Lens Color : Red Transparent
Dimension No : BV-529/BV-529R
Stand Off Part : BVT-529QT3#R

Jameco P/N 197659

ABSOLUTE MAXIMUN PATINGS AT Ta=25°C

PARAMETER	MAX.	UNIT
Power Dissipation	80	mW
Continuous Forward Current	30	mA
Peak Forward Current (1/10 Duty Cycle , 0.1ms Pulse Width)	160	mA
Reverse Voltage	5	V
Derating Linear From 50 °C	0.4	mA/ °C
Operating Temperature Range	-40 °C to + 100 °C	
Storage Temperature Range	-40 °C to + 100 °C	
Lead Solder Temperature 1.6 mm Below Package 260 °C for 5 senconds		

ELECTRICAL/OPTICAL CHARACTERISTICS AT Ta=25°C

SYMBOL	PARAMETER	TEST COND.	MIN.	TYP.	MAX.	UNIT
V_F	Forward Voltage	I F = 20 mA		2.3	2.8	V
I_R	Reverse Current	V R = 5 V			100	μA
λp	Peak Emission Wavelength	I F = 20 mA		634		n m
λd	Dominant Wavelength	I F = 20 mA		629		n m
$2\theta_{1/2}$	Viewing Angle	I F = 20 mA		70/30		Deg

BIN grade limits (IF=20mA) Luminous Intensity

Device	☐ BVT-529QT3D			☐ BVT-529QT3E		
Bin	I	J	K	L	M	N
Max.	780	1000	1300	1680	2180	2800
Min.	1000	1300	1680	2180	2800	3600
Device	☐ BVT-529QT3F			☐ BVT-529QT3G		
Bin	O ✓	P	O	R	S	T
Max.	3600	4650	6000	7800	10000	13000
Min.	4650	6000	7800	10000	13000	16800

Tolerance ± 15 % mcd

Dominant Wavelength

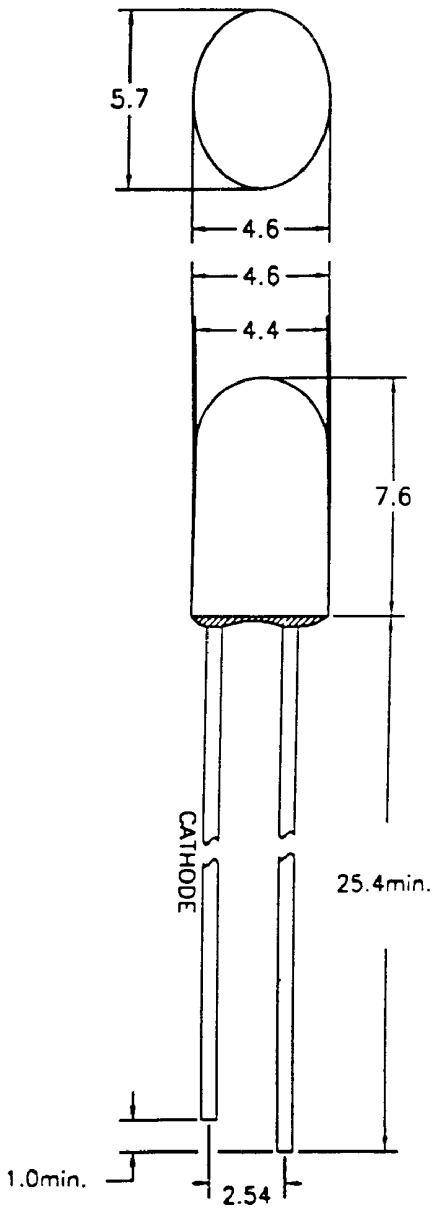
Bin	Min.	Max.
QD	618	622
QE	622	626
QF	626	630
QG	630	634
QH	634	638

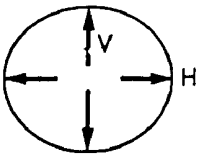
Tolerance ± 0.5 nm

CAUTION

Bright Veiw reserves the right to alter specifications and remove avilability of products at anytime without notice

PACKAGE DIMENSION:





Vertical 30°

Horizontal 70°